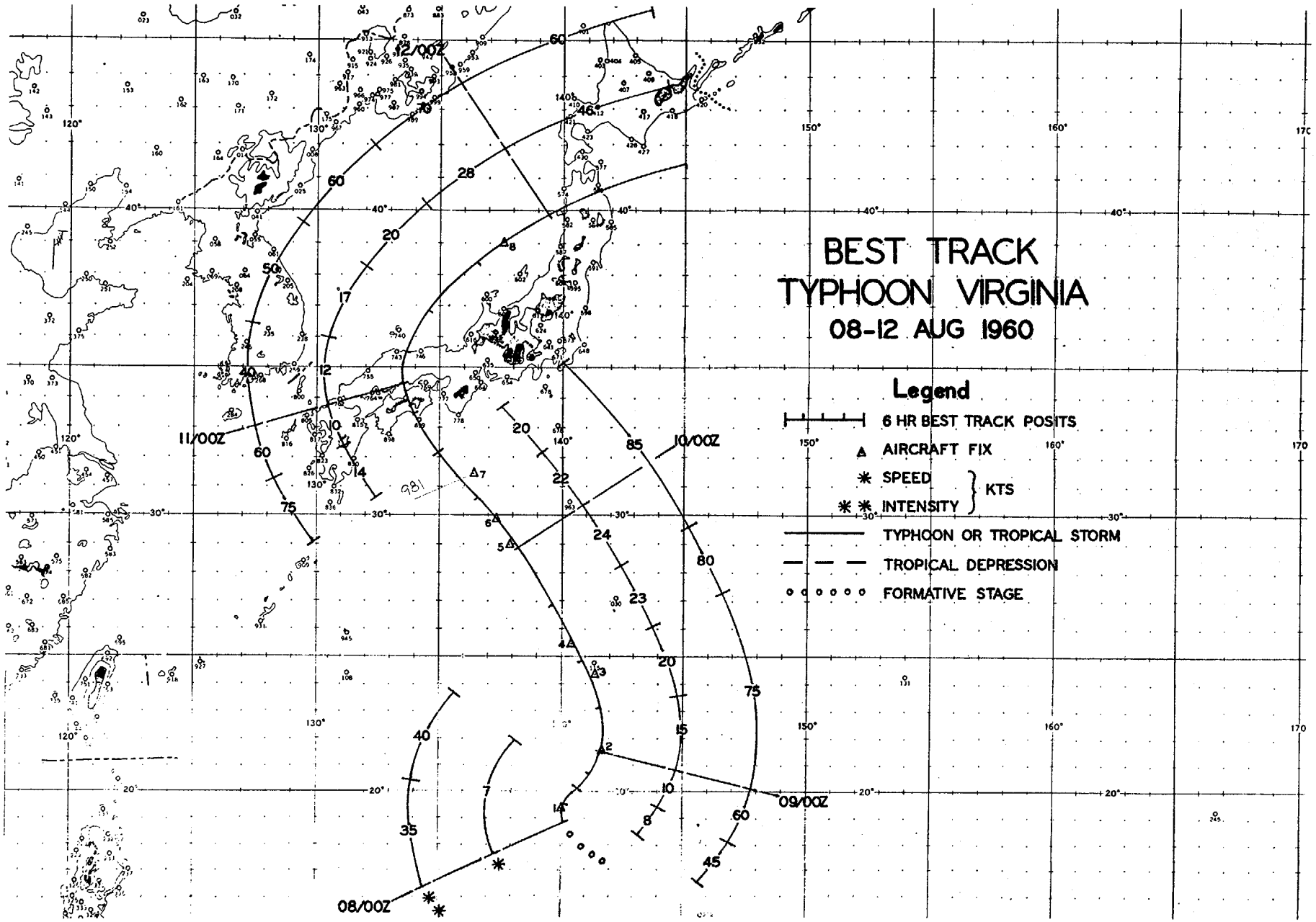
I. TYPHOON VIRGINIA (080000Z-120600Z AUGUST 1960)

The birth of VIRGINIA appeared to be on schedule, for cyclones were developing, intensifying and becoming typhoons at the rate of one every 4 to 6 days. This was to increase to a rate of generation of one every 2 to 3 days, but this was unknown to us at the time. The circulation first appeared near 17N 142E, 300 mi NW of Guam on 7 August. It appeared to be forming in the SE sector of Typhoon TRIX, which was about 20 degrees of latitude to the WNW at that time. The first warning indicating 35 kt surface winds was issued at 080000Z, and VIRGINIA became a typhoon 24 hours later. The typhoon passed 20 mi to the W of Iwo Jima at 091100Z with 75 kt surface winds near the center, and 30 hours later it was 10 mi from the island of Shikoku, Japan. VIRGINIA passed over southern Japan into the Sea of Japan and then returned over northern Honshu 18 hours later. VIRGINIA weakened as it passed over Japan the first time, then rapidly intensified to typhoon strength again at the surface. The second passage over Japan effectively destroyed the circulation as a typhoon. VIRGINIA became extratropical by 120600Z, and the last warning was issued at this time.

This circulation was characterized by rapid intensification and a high speed of movement, for the average speed throughout its life was 18 kts or 432 mi per day. VIRGINIA traveled 1850 mi in 4 days and 6 hours. The minimum speed was 7 kts on 8 August, and the maximum speed was 46 kts on 12 August.

Except for its speed of movement and intensification, Typhoon VIRGINIA had no unusual features. The 200 mb wind circulation did not indicate a closed system while VIRGINIA was in the proximity of Japan, but a low may have been closed while VIRGINIA was near Iwo Jima. The 300 mb chart indicated that there was a closed cyclonic circulation through that level while VIRGINIA was near Iwo Jima and as it initially approached Japan.


BEST TRACK
TYPHOON VIRGINIA
08-12 AUG 1960
Legend
6 HR BEST TRACK POSITS
AIRCRAFT FIX
SPEED
INTENSITY
KTS
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
12/00Z
11/00Z
10/00Z
09/00Z
08/00Z

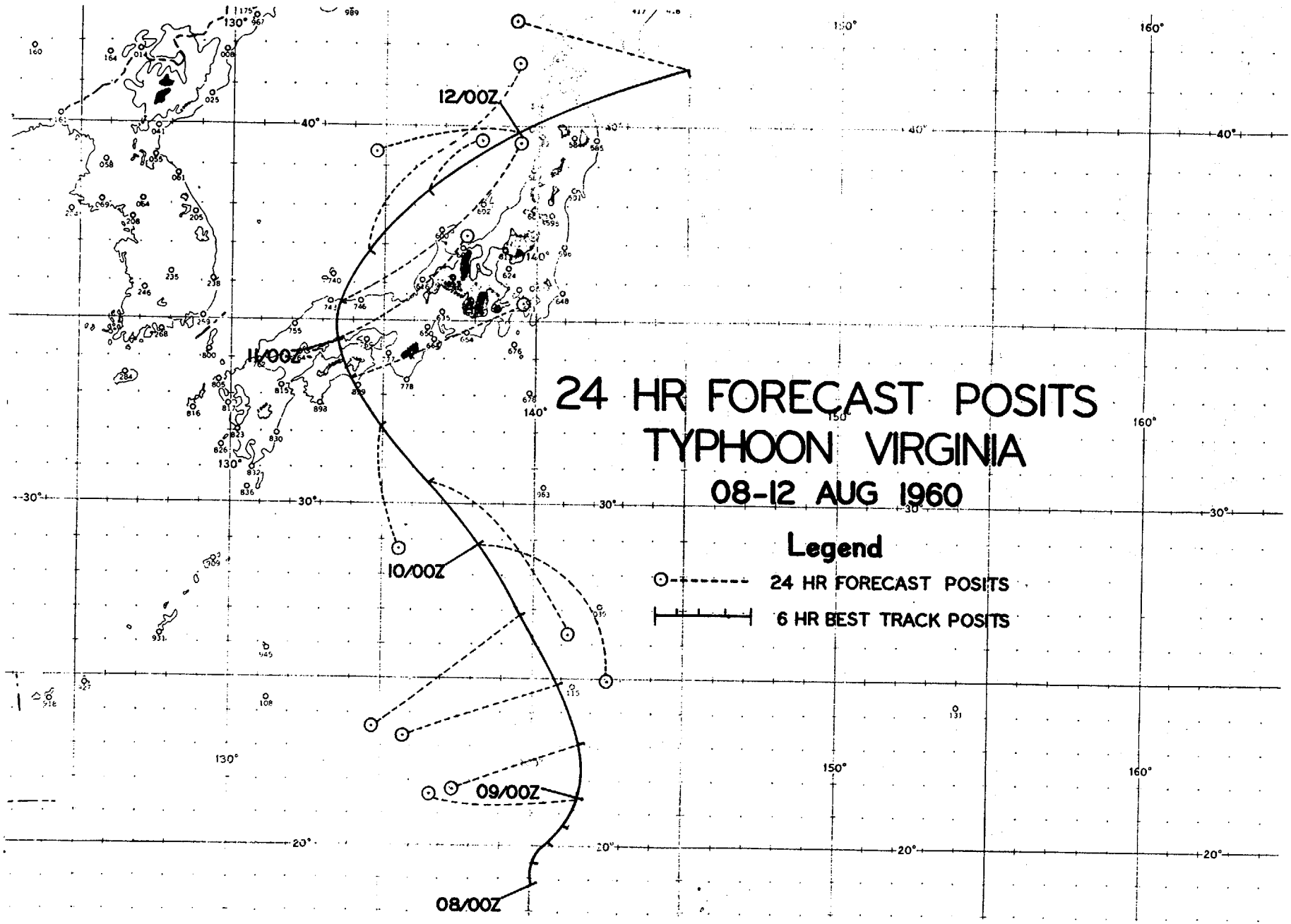
RECONNAISSANCE AIRCRAFT FIXES - TYPHOON VIRGINIA

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MIN SLP MBS	MAX SFC WND	MIN 700MB HGT	MAX 700MB WND	700MB TT/Td (°C)	EYE CHARACTERISTICS
1	080345Z	19.3N	140.0E	56-P---	- -	25	- - -	- -	- - -	ELLIP 10X19 MI
2	082345Z	21.5N	141.7E	56-P-05	998	110	9680	55	16/10	U SHAPED 40-50MI DIA WELL DEFINED
3	090940Z	24.3N	141.3E	56-P-01	987	70	10030	60	14/09	CIRC DIA 100 MI
4	091535Z	26.4N	140.3E	VW1-R-05	- -	- -	- - -	- -	- - -	OPEN S
5	100030Z	29.0N	137.9E	56-P-05	984	75	9690	50	14/10	CIRC DIA 20 MI OPEN N
6	100300Z	29.9N	137.2E	56-P-03	981	100	9650	85	14/10	INDEFINITE, 35 MI DIA
7	100800Z	31.4N	136.3E	56-P-05	971	75	9590	70	13/10	ILL-DEFINED, OPEN S
8	112100Z	39.0N	137.6E	56-P-01	999	65	10040	70	16/08	NOT CLEARLY DEFINED

TYPHOON VIRGINIA 08-12 AUGUST 1960
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HR. ERROR DEG. DISTANCE	48 HR. ERROR DEG. DISTANCE
080000Z	18.9N	140.1E	- - - -	- - - -
080600Z	19.5N	140.1E	- - - -	- - - -
081200Z	20.1N	140.6E	- - - -	- - - -
081800Z	20.7N	141.2E	- - - -	- - - -
090000Z	21.6N	141.7E	- - - -	- - - -
090600Z	23.1N	141.7E	- - - -	- - - -
091200Z	24.9N	140.9E	250-304	- - - -
091800Z	26.9N	139.7E	233-334	- - - -
100000Z	28.9N	138.1E	154-347	- - - -
100600Z	30.6N	136.5E	138-367	- - - -
101200Z	32.2N	135.0E	174-206	215-518
101800Z	33.3N	133.9E	066-326	199-536
110000Z	34.3N	133.5E	051-274	126-447
110600Z	35.4N	133.6E	- - - -	- - - -
111200Z	36.9N	134.5E	- - - -	- - - -
111800Z	38.3N	136.4E	- - - -	- - - -
120000Z	39.9N	139.3E	- - - -	- - - -
120600Z	41.4N	145.0E	- - - -	- - - -

AVERAGE 24 HOUR ERROR 308 MI
AVERAGE 48 HOUR ERROR 500 MI


24 HR FORECAST POSITS
TYPHOON VIRGINIA
08-12 AUG 1960
Legend
24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
12/00Z
11/00Z
10/00Z
09/00Z
08/00Z